

RESPONSE TO THE OFFICE ACTION

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Technology Center 2600



AMENDMENTS TO THE CLAIMS:

Claim 1 (currently amended) : A computer mouse for manipulating by the right hand of a user to control the operation of a computer, ~~comprising a handheld unit, a base holder and its hookup software. The handheld unit is operated solely by a user's right thumb when handheld. When the handheld unit is placed on the base holder, it can function as a regular touchpad mouse. The mouse can simulate keyboard inputs when the user touches on the touchpad surface on the top of the said handheld unit, by right thumb when handheld;~~ comprising:

- a). mouse body fit into the palm of a user's right hand,
- b). a mouse movement tracking mechanism, having a pressure sensitive touchpad occupying a portion of the mouse body, for producing contact data regarding the location information of user's thumb on the touch as mouse input signals, said touchpad being able to simulate keyboard inputs when a user touches on the touchpad surface by right thumb,
- c). its associated hookup software, the said software residing on a user's computer connected with the said touchpad, being able to recognize mouse movements as keyboard input signals, based solely on mouse input signals;

Claim 2 (currently amended): The handheld unit of Claim 1 further ~~comprises a~~ comprising

- a). touchpad, ~~a housing holder and mouse buttons;~~
- b). mouse buttons,
- c). an optional holder to house the said mouse body when the said mouse is not handheld;

Claim 3 (currently amended): The handheld unit of Claim 1 is being small enough to be held comfortably in a user's right hand in grasping grip;

Claim 4 (currently amended): The handheld unit of Claim 1 is being of elliptic shape (Figure 1) with buttons located on the front of the said touchpad and/or on the side of the said touchpad, easily and comfortably locatable by other fingers of the user's same hand in grasping grip position;

Claim 5 (currently amended): The handheld unit of Claim 1 is being of credit card shape with buttons located on the front of the said touchpad and/or on the side of the said touchpad, easily and comfortably locatable by other fingers of the user's same hand in grasping grip position;

Claim 6 (currently amended): The handheld unit of Claim 1 ~~can be operated solely by a user's right thumb~~ being able to be ergonomically operated solely by the user's right hand alone to input both mouse and keyboard information, with no need of user's eye focus on the said touchpad, thus being able to operate in the dark where the user being able to hold mouse while not being able to focus his eye sight on the said touchpad or mouse at all;

Claim 7 (currently amended): The handheld unit of Claim 1 ~~can~~ having small flat or intruded buttons, located in front or sides of the said touchpad;

Claim 8 (currently amended): The handheld unit of Claim 1 is being connected to its computer through a regular cable;

Claim 9 (currently amended): The handheld unit of Claim 1 is being connected remotely to its computer, through RF signals and IR signals, or Blue Tooth technology;

Claim 10 (currently amended): The method that the said associated hookup software ~~works~~ working as an interpreter between the said touchpad input signals and the connected computer's operating system. ~~The software intercepts the signals and recognizes them either as regular mouse signals or keystroke signals,~~ allowing a user's thumb movement being recognized as either regular mouse signals or keystroke signals, with no additional need of any hardware except the said touchpad mouse, with no additional information except the mouse signal generated by the said touchpad;

Claim 11 (currently amended): The method that the hookup software ~~processes~~ processing handwriting stroke's information without the ~~knowledge~~ need of gaining of absolute location of thumb movement signals generated from ~~on~~ the said touchpad, using only traditional mouse information containing only relative movement signals;

Claim 12 (original): The method that the additional part of the mouse, the base holder unit, is separated from the core movable part, the handheld unit, allowing the flexibility of either being used as handheld or as a regular touchpad mouse;

Claim 13 (withdrawn)